

ABSTRACT

Client Request Handling in a NAS-Based Server Environment

- 5 A method and system for responding to a client request for information from a service device in a data processing network. Initially, the server receives the information request from the client and determines that the requested information is not in the server's cache. The server then generates a storage request and sends the storage request to a network attached storage device. The storage device retrieves the requested information and generates a set of packets containing
- 10 the requested information. The storage device then sending the generated packets simultaneously to the client to satisfy the client request and to the server to refresh the server cache. The storage request may include protocol information corresponding to the client-server connection that the storage device uses to replicate the client-server protocol stack in the generated packet. Sending the generated packet may comprise including a multicast address in
- 15 the packet.